

Title (en)

Battery pack and electrically powered vehicle including the battery pack

Title (de)

Batteriepack und elektrisch angetriebenes Fahrzeug mit dem Batteriepack

Title (fr)

Bloc-batterie et véhicule électrique incluant le bloc-batterie

Publication

**EP 2437329 B1 20171108 (EN)**

Application

**EP 11182451 A 20110923**

Priority

JP 2010222656 A 20100930

Abstract (en)

[origin: EP2437329A1] Provided is a battery pack that can uniformly cool a plurality of electric cells, prevent a breakdown of the electric cells, and provide high performance of all electric cells. The battery pack includes a packaging case in which: each adjacent ones of a plurality of electric cells in the first direction define a ventilation space; first and second passages are defined that extend in the first direction and that are arranged to have the plurality of electric cells located between the first and second passages in a second direction intersecting the first direction, wherein gas supplied to the first passage flows through the ventilation spaces to the second passage; and a flow rate limitation device is provided that is arranged in an upstream area of the first passage and that limits a flow rate of the gas flowing through one of the plurality of ventilation spaces, which leads to the upstream area of the first passage, to a predetermined flow rate. ( Fig. 1 )

IPC 8 full level

**H01M 50/77** (2021.01); **H01M 10/60** (2014.01); **H01M 10/613** (2014.01); **H01M 10/625** (2014.01); **H01M 10/647** (2014.01); **H01M 10/651** (2014.01); **H01M 10/6553** (2014.01); **H01M 10/6563** (2014.01); **H01M 10/6566** (2014.01); **H01M 50/209** (2021.01); **H01M 50/271** (2021.01)

CPC (source: EP KR US)

**H01M 10/613** (2015.04 - EP US); **H01M 10/625** (2015.04 - EP US); **H01M 10/647** (2015.04 - EP US); **H01M 10/6563** (2015.04 - EP US); **H01M 10/6566** (2015.04 - EP KR US); **H01M 50/209** (2021.01 - EP KR US); **H01M 50/271** (2021.01 - EP KR US); **Y02E 60/10** (2013.01 - EP)

Cited by

EP2575192A1; RU2691098C2; CN105934839A; EP3093908A4; CN113036256A; EP3553846A1; US11205816B2; US9130209B2; US10020486B2; WO2018029020A1; WO2016053423A1; US10629884B2; US11916246B2; US10826136B2; US11949082B2; WO2016167875A1; EP3731308A4; EP4068486A1; WO2019195119A1

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DOCDB simple family (publication)

**EP 2437329 A1 20120404**; **EP 2437329 B1 20171108**; CN 102447145 A 20120509; CN 102447145 B 20160504; JP 2012079511 A 20120419; JP 5639835 B2 20141210; KR 101826090 B1 20180206; KR 20120034027 A 20120409; US 2012082875 A1 20120405; US 9159970 B2 20151013

DOCDB simple family (application)

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